

ABSTRACT OF THE DISCLOSURE

The pump comprises a synchronous alternating current electrical motor having a permanent magnet rotor and a bladed impeller coupled to an end of the rotor which extends into a cavity in the hub thereof. That end of the rotor and the hub of the impeller are provided with a first and a second transverse coupling formation, respectively, which have respective angular extensions which are predetermined in such a manner that there is angular play, suitable for promoting the starting of the motor, between the rotor and the impeller. The coupling formation of the rotor comprises

a transverse appendage which extends from and is integral with a drive body of rigid material secured to the rotor, and

a damping formation moulded in a single piece of resilient material onto the drive body and having two end portions which are to engage the coupling formation of the impeller, and an intermediate connecting and retaining portion which interconnects the end portions and which extends at least partially through the drive body so that the damping formation as a whole is constrained in a stable manner, axially and angularly, on the drive body.

(Figures 1 and 5b).